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March 12, 1973

Industrial and Solid Wastes
Revere Chemical Corporation
Bridgeton Township - Bucks County

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On March 5, 1973, a field investigation was made of a new Revere Chemical Corporation facility in Bridgetown Township.

The site may be located on the Riegelsville U.S.G.S. topographic map at S.15 inches N, O.5 inches W of the SE corner.

The request for an inspection was made by the Bucks County Health Department. Mr. Barry Passmore of the Health Department attempted to make an inspection of the facility on February 14, 1973. He was prevented from making a complete inspection; however he did notice that some 55-gallon drums were being buried.

Those present for the March fifth investigation were: Mr. Manfred DeRosal of Revere Chemical Corporation; Trooper Powell, Strike Force, Harrisburg; Mr. Al Wills and Mr. Barry Passmore of the Bucks County Health Department; and Mr. Wayne Lynn, Solid Waste Coordinator, and the writers, from the Norristown office. A search warrant was given to Mr. DeRosal by Trooper Powell.

According to Mr. DeRosal, several empty 55 gallon drums were buried in a trench six (6) feet wide by about fifty (50) feet long by five (5) feet deep.

Scattered over several acres are numerous barrels and drums containing a variety of chemicals. Many are improperly stored and spillage is common. Three samples were taken of spilled chemical materials. A variety of miscellaneous solid waste material was also present.

Detailed investigation revealed a small impoundment containing an unknown liquid waste. The lagoon is about ten (10) feet square by two (2) feet deep. There was evidence that the waste had flowed across the ground to the impoundment. Vegetation was black. There was no surface water discharge at the time of the investigation; however, several acres downslope of the impoundment were covered by a dark material as a result of over flow from the impoundment. There was evidence that this illegal discharge

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was reaching the waters of the Commonwealth.

Bedrock at the site is medium to coarse-grained diabase of Triassic Age. Large fragments are common in the soil which has been disturbed.

SOILS:

The site may be located in the Bucks County Soil Survey on sheet number ARD-6B-152 at 1.75 inches N, 2.85 inches W of the SE corner.

The area was, ^{traversed} in a northerly direction. A soil auger was used to facilitate the examination of the soil.

The aforementioned barrels had been buried in a cleared area approximately 120yds NE of Mr. DeRosal's office. Auger borings to a depth of three (3) feet confirmed the soil, Neshaminy very stony silt loam, E -25% slopes, mapped by S.C.S.

The second area investigated is located at a point approximately 220 yds. N. of area 1. A variety of chemical containers, hoses, a tractor cab, a storage tank, and miscellaneous materials were observed. Auger boring to a depth of three (3) feet confirmed the soil, Watchung very stony silt loam, 0/-8% slopes, mapped by S.C.S.

The aforementioned forested area in which a storage lagoon and leachate overflow, manifested by darkened vegetation, were noted is mapped Watchung very stony silt loam and was confirmed.

Approximately 150 yds. E of the second area is an open area in which numerous drums containing a variety of chemicals had been stockpiled. The area is mapped Mount Lucas very stony silt loam, 0/-8% slopes, and was confirmed.

CONCLUSIONS:

1. Surface and ground water is being contaminated by wastes from the small impoundment.
2. There is no apparent contamination resulting from the barrels and drums and miscellaneous solid waste material. However, the potential for a pollution incident is strong.

RECOMMENDATIONS:

1. The small lagoon must be drained immediately. If material is draining into the lagoon, this action must be stopped immediately. It may be necessary to remove the soil contaminated by wastes from the impoundment and replace it with clean soil.
2. All solid waste at the site, including the buried drums, must be removed to an approved sanitary landfill site.

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3. A meeting between Revere Chemical Corporation and D.D.R. should be held as quickly as possible to develop a program for eliminating the pollution problems at the site.

cc: D. Lindorff
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